```
CACAAGGAAT GAGAAGGAGA TAGATGACTT GTGATTCGAG CTCACTTGTA TCTTGTGTTT
---------- ----ACATAT TTGGAGACTA CAGAAAGGAG AGAGAAAGCT CTTTGGTTTT
           *         *  *   ****    **   ***          *     ***  ***

                   (1)
GAGATGG-TG AAGCAACGAG CGGTGGGCGC TGGTATTTGT AGGAGGGAAA ATGAGTTGAG
GAGATGGGTG AAGCGGCGAG CAGCAGGCGC TGGTATTTAT AGTGAAGAAG AGGAGGTGAG
******* ** ****  **** * *  ***** ******** *  **     ***  * *** ****

                                                                (2)
GCGTGGACAC GTAGAGTTTC GTGTGTAAGG CATCTTTTGC CATTCTTCTA CTTGCATGGC
GGAGAGACAC GTAGGGAAAT GAGTGTAAGG AATCCTTCGC CATTATTCTG CTTGCATGGC
*      ***** **** *    * ******* *** ** ** **** ****  **********

TTTGAGGCTT TGAATTGTTA ACACCTCATT TTGTGTAGCA GGGGCAGCAG GCTATATGCG
TTTGAAGCTC TGAATTGTTT ACACCTCATT TTGTGGTTTA GGG----CAG GTGGCTTTCG
***** ***  ********* ********** *****   *  ***    *** *     *  **

GCAACCAGCG GTGGGGTTCC TCGTCAATAT TGTTGTCTGG TTCTGAGCTT GATTTGCACC
GCT-TCAGAG AAAAAA--CA AAGTGAGTTG AGTTATGTGG CAACCAGGTG GG--TGTCTC
**    *** *            *  * *  *** * ***    ** *   *    **   *

TGGCCGTT-T GGTGAAGTAA AATTCATGGG ACTTGGGATC CGAACCCGGG CCCATATGAC
GAGCCATTGT TGTTTTCTTA CTGTCTTGGG ATT---GGTG CGTTTCTGAA ACCCTTTTGG
 *** ** *   **    * *   ** **** * *    * *   **    * *    ** * *

           (3)
TGTGCGTGCT TGGTGAGAAA CGTGAACTCC ACCTGATTGT CTGTGATGAG TTTAATTGGT
CAT---TGCC TGCTGAGAAA CGTGAACTCC ATCTGATCGT CTCTGATCAG TTTTGGTGGG
 *    ***  **  ******* **********  *  *****  **  ** **** ***    ***

TTTTTTTGTT TAAATGTTTG GTCAAATTTG TTTTACTCGG AACAAATTGT TAAGCCTCTG
TTCCATTGTT TTGTTGCCAA TCCTCATTCA TATT-CTCTC TCCTTTTATG TAAAAGTAAA
**    *****  *    **     *   ***   * ** ***    *    *    ***   *

CTCTATAAGA AATAAAAAAC GTTGTTTTGT GAACTAAAAC GCAATCTTTT GGCTTAGTTG
---TATTTGA GTTATTATAA TTTGGGTACC ACTCTAATAT TCTCTCTCCT TTTTTTCTTT
     ***  **    **   **  *    *** *         **** *   *  *** *     ** **

AGCCAAGAGG GTTCT---CT CTCTACAGTT CCAAATC-CA AAACCCACAA CTTCAATGAA
TAAAGAAAAG CTTCCAAGTT TTTTATAGGA TCAATTTGTA AAGTATGAAA TGCTTTTGTT
 *   *   ***       *   * ** **    *** *   * **    **      **

ATTACGAATG AATGACCTCC ACTACCACTA GTATGAATTC TTTTGTATTT TCCTGTCAAG
GTTCTAAGTA GCTGATCTCT --TGTTGGCC TTTTTGCTTG ACAGGAAAAT ACAAAGAAT
**    * *   *** ***      *        * *   **    *   *    *    * **

CAAAAAGGCC AACAA--GAG ATCAGCTACT TAGAACAACA AAAGCATTTC ATACTTTACA
TCATACTAGT GGTAGTGGAG GTCATTCATT CGTAATTTCA TTGAAGTTGT GGGTTTTG-G
 *  *       *    ***   ***   ***   * *    **   **      **       ***
```

FIG._1A

```
AATTGATCCT  ATAAAAAACT  TGGAAGCTTT  TCTTTAAAAG  AAAAAAAGGA  GAGAGAATAT
ATTTGGAACT  GTAGAGAG--  -AGAACCCTC  TTGGCTCAAC  TAAGCCAAAA  GATTGCGTTT
*  ***    **  ** * *    *** * *   *    **   **   *   * **  *   * *


TAGAGTGGTA  CCCAAATTAT  AATAACTCAA  ATA---TTTA  CTTTTACATA  AAAGGAGAGA
TAGTTCACAA  AACAACGTTT  TTTATTTCTT  ATAGAGCAGA  GGCTTAACAA  TTTGTTCCGA
* **        *   *** * *   ** **    ***        *   *** *    *      **


G-AATATGAA  TGAGGATTGG  CAACAAAACA  ATGGAACCCA  CCAAAACTGA  TCAGAGACGA
GTAAAACAAA  TTTGACCAAA  CATTTAAACA  AAAAAAACCA  ATTAAACTCA  TCACAGACAA
* ** *  **  *  *        **    ***** *   ** ***   ***** *  *** **** *

                (3)
TCAGATGGAG  TTCACGTTTC  TCAGCAGGCA  ---ATGCCAA  AAGGGTTTCA  GAAACGCACC
TCAGGTGGAG  TTCACGTTTC  TCACCAAGCA  CGCACAGTCA  TATGGGCCCG  GGTTCGGATC
**** *****  **********  *** ** ***   *       *  * **    *   * ** * *


---AATCCCA  AGACAGTAAG  AAAACAACAA  TGGCTCGAGA  CA--CCCACC  TGGTTGCCAC
CCAAGTCCCA  TGAATTTTAC  TTCACCA-AA  CGGCCAGGTG  CAAATCAAGC  TCAGAACCAG
*  * *****   **    * *    ** * **   ***   *   **   *  * *    ***


ATAACTCAAC  TCACTTTG--  TTTTTTCTCT  GAA-GCCGAA  AGCCACCTGC  ----CCTAAA
ACAACAATAT  TGACGAGGAA  CCCCACCGCT  GGTTGCCGCA  TATAGCCTGC  TGCCCCTGCT
*  ***   *   *  **    *           *  **  *    ****  *     *****     ***

                                                (2)
CCACAAAATG  AGGTGTAAAC  AATTCAGAGC  TTCAAAGCCA  TGCAAGCAGA  ATAATGGCGA
ACACAAAATG  AGGTGTTAAC  AATTCAAAGC  CTCAAAGCCA  TGCAAGTAGA  AGAATGGCAA
*********   ****** ***   ****** ***  *********  ****** ***  * ****** *

                                                        (1)
AGGATTCCTT  ACACTCATTT  CCCTACGTGT  CTCTCCCTCA  CCTCCTCTTC  TTCACTATAA
AAGATGCCTT  ACACACGAAA  CTCTACGTGT  CCACGCCTCA  ACTCATTTTC  CCTCCTACAA
* *** ****  ****  *     *  *******  *    *****  *** * ***    *** **


ATACCAGCGC  CTGCTGCTCG  CCGCTTCACC  CATCTCAAAA  CCAAAGAGCT  TTCTCTCTCC
ATACCAGCGC  CCACCGCTCG  TTGCTTCACC  -ATCTCAAAC  ACAAGATACA  AGTGAGCTCG
*********   *  * *****   *******   *******    ***     *       ***


TTTCTGTAGT  CTCCAAATAT  GT--------------
AATCACAAGT  CATCTATCTC  CTTCTCATTCCTTGTG
**    *** *  *  *        *
```

FIG._1B